

Hydrologic Model Manager

Short Name	SEFM
Long Name	Stochastic Event Flood Model
Description	
Model Type	Stochastic Rainfall-Runoff Computation Model
Model Objectives	Develop magnitude-frequency curves for flood peak discharge, runoff volume and maximum reservoir level
Agency _Office	MGS Engineering Consultants Inc.
Tech Contact	7326 Boston Harbor Road NE Olympia WA 98506
Model Structure	Stochastic Inputs Generator (Fortran, Visual Basic, Excel) compatible with HEC-1, can be modified for use with lumped or distributed rainfall-runoff models
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	
Spatial Scale	User option
Temporal Scale	User option
Input Requirements	Analysis of historical data, hydromekological, hydrological hydraulic
Computer Requirements	Pentium
Model Output	Flood hydrographs
Parameter Estimatr Model Calibrtn	Analysis historical data/ historical floods
Model Testing Verification	Historical floods/historical flood frequency curves
Model Sensitivity	Dependent upon spatial and temporal scales selected by user
Model Reliabiity	Dependent upon success in calibration
Model Application	Several case studies
Documentation	Technical support manual
Other Comments	
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Developer	
Technical Contact	
Contact Organization	